

NATIONAL BOARD OF ACCREDITATION

Data Capturing Points of the Program Applied for NBA Accreditation– Tier I/II UG (Engineering) Institute Programs

Program Name : Electronics & Communication Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 11683	Date of Submission : 31-03-2026

PART A- Profile of the Institute

A1.Name of the Institute : St. Thomas Institute for Science & Technology Trivandrum	
Year of Establishment : 2010	Location of the Institute: Near Technopark
A2. Institute Address :St.Thomas Institute for Science & Technology, Mar Chrysostom Nagar, Kattaikonam P.O., Kazhakkootam, Trivandrum - 695 584.	
City:Trivandrum	State:Kerala
Pin Code:695584	Website:https://www.stistvm.edu.in/
Email:principal@stistvm.edu.in	Phone No(with STD Code):0471-2410641
A3. Name and Address of the Affiliating University (if any):	
Name of the University : APJ Abdul Kalam Technological University Kerala	City: Thiruvananthapuram
State : Kerala	Pin Code: 0
A4. Type of the Institution : Self-Supported Institute	
A5. Ownership Status : Self financing	

A6. Details of all Programs being Offered by the Institution:

- No. of UG programs: 1
- No. of PG programs: 0

Table No. A6.1: List of all programs offered by the Institute.

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Electronics & Communication Engineering	2010	--	Electronics and Communication Engineering

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information**B1. Provide the Required Information for the Program Applied For:**

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGR DURAT
1	Electronics & Communication Engineering	UG	2010 / --	60	Yes	2018	30	2018	1-44638301355/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

List of the Allied Departments/Cluster and Programs:

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	Dr.Geenu Paul
B. Nature of appointment:	Regular
C. Qualification:	M.Tech and Ph.D.

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	30	30	30	30	30	30	30
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	29	30	22	30	27	17	12
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	0	3	0	0	0
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	2	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	29	30	22	35	27	17	12

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
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2025-26 (CAY)	30	29	0	96.67
2024-25 (CAYm1)	30	28	0	93.33
2023-24 (CAYm2)	30	22	0	73.33

Average $[(ER1 + ER2 + ER3) / 3] = 87.78 \approx 17.00$

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*=(No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	30.00	30.00	30.00
B=No. of students who graduated from the program in the stipulated course duration	7.00	6.00	6.00
Success Rate (SR)= (B/A) * 100	23.33	20.00	20.00

Average SR of three batches $((SR_1 + SR_2 + SR_3)/3)$: 21.11

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.34	6.69	6.60
Y=Total no. of successful students	10.00	8.00	16.00
Z=Total no. of students appeared in the examination	30.00	22.00	32.00
API $[X*(Y/Z)]$	2.45	2.43	3.30

Average API $[(AP1+AP2+AP3)/3]$: 2.73

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	7.20	7.10	8.00
Y=Total no. of successful students	6.00	14.00	7.00
Z=Total no. of students appeared in the examination	8.00	19.00	7.00
API $[X * (Y/Z)]$	5.40	5.23	8.00

Average API $[(AP1 + AP2 + AP3)/3]$: 6.21

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.18	7.50	7.86
Y=Total no. of successful students	13.00	7.00	6.00

Z=Total no. of students appeared in the examination	14.00	7.00	6.00
API [X*(Y/Z)]:	6.67	7.50	7.86

Average API [(AP1 + AP2 + AP3)/3] : 7.34

B9. Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	30.00	30.00	30.00
X=No. of students placed	18.00	14.00	10.00
Y=No. of students admitted to higher studies	0.00	2.00	0.00
Z= No. of students taking up entrepreneurship	1.00	0.00	2.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	63.33	53.33	40.00

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 52.22 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr.Geenu Paul	XXXXXXXX35D	M.Tech and Ph.D.	University of Kerala	Image Processing and Artificial Intelligence and Biomedical Engineering	02/08/2010	15.7	Assistant Professor	Professor	25/03/2017	Regular	Yes		Yes
2	Dr. Anju S	XXXXXXXX61Q	M.Tech and Ph.D.	University of Kerala	VLSI and Embedded System, Nano device Modelling	20/06/2012	13.9	Assistant Professor	Associate Professor	01/01/2025	Regular	Yes		No
3	Dr.Tony Alwin	XXXXXXXX23L	M.E. and Ph.D.	University of Kerala	Communication System, Optical Communication	15/06/2011	14.9	Assistant Professor	Associate Professor	01/01/2025	Regular	Yes		No
4	Dr.Preethi Elizabeth Iype	XXXXXXXX06P	M.E. and Ph.D.	University of Kerala	Nano Electronics, Embedded System and Wireless Communication	01/06/2012	13	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No
5	Mr.Rony K Thomas	XXXXXXXX65J	M.E.	Karunya Univeristy	Applied Electronics	01/06/2012	13.10	Assistant Professor	Assistant Professor		Regular	Yes		No

6	Dr.Anu Babu	XXXXXXXX79M	M.E. and Ph.D.	Noorul Islam Centre for Higher Education	VLSI and Medical Image Processing	10/06/2011	14.9	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr.Neetha Merin Thomas	XXXXXXXX33F	M.Tech and Ph.D.	Noorul Islam Centre for Higher Education	Image Processing and Digital Electronics	09/01/2017	7.7	Assistant Professor	Assistant Professor		Regular	No	12/08/2024	No
8	Mrs Sreedevi Sagar V G	XXXXXXXX00M	M.Tech	University of Kerala	Applied Electronics & Instrumentation	26/08/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Ms.Gopika H S	XXXXXXXX50M	M.Tech	APJ Abdul Kalam Technological University	Micro and Nano Electronics (VLSI Designing)	07/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department0

Table No.C2.1: Student-faculty ratio.

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	30	30	33
UG1.C	30	33	30
UG1.D	33	30	30
UG1: Electronics & Communication Engineering	93	93	93
DS=Total no. of students in all UG and PG programs in the Department	93	93	93
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 93	S2= 93	S3= 93

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DF=Total no. of faculty members in the Department	7	7	7
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 7	F2= 7	F3= 7
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 15.50	SFR2= 15.50	SFR3= 15.50
Average SFR for 3 years	SFR= 15.50		

C3. Faculty Qualification

- Faculty qualification index (FQ) = $2.5 * [(10X + 4Y)/RF]$ where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	4	3	4.00	32.50
2024-25(CAYm1)	3	4	4.00	28.75
2023-24(CAYm2)	2	5	4.00	25.00

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	1.00	2.00	3.00	4.00
2024-25	1.00	1.00	1.00	0.00	3.00	6.00
2023-24	1.00	1.00	1.00	0.00	3.00	6.00
Average	RF1=1.00	AF1=1.00	RF2=1.00	AF2=0.67	RF2=3.00	AF2=5.33

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr Gopakumar K	Retd Professor	TKM College of Engineering,Kollam	ECT 301 Digital Signal Processing	5.00
2	Dr Gopakumar K	Retd Professor	TKM College of Engineering,Kollam	ECT 202 Analog Circuits	5.00
3	Mrs Esther P Chemapakaseril	Retd. Executive Engineer	Kerala State Electricity Board(KSEB),Trivandrum	MCN 201Sustainable Engineering	25.00
4	Mrs Esther P Chemapakaseril	Retd. Executive Engineer	Kerala State Electricity Board(KSEB),Trivandrum	ECT 468 Renewable Energy Systems	35.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr Gopakumar K	Retd Professor	TKM College of Engineering,Kollam	ECT 202 Analog Circuits	4.00
2	Dr Vijayakumar N	Retd Professor	Government Engineering College, Barton Hill , Thiruvananthapuram	ECT 401 Microwaves & Antenna	3.00
3	Mrs. Esther P Chemapakaseril	Retd. Executive Engineer	Kerala State Electricity Board(KSEB),Trivandrum	MCN 201Sustainable Engineering	23.00
4	Mrs. Esther P Chemapakaseril	Retd. Executive Engineer	Kerala State Electricity Board(KSEB),Trivandrum	ECT 468 Renewable Energy Systems	34.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr Gopakumar K	Retd Professor	TKM College of Engineering,Kollam	ECT 301 Digital Signal Processing	3.00
2	Dr Gopakumar K	Retd Professor	TKM College of Engineering,Kollam	ECT 202 Analog Circuits	4.00
3	Mrs. Esther P Chemapakaseril	Retd. Executive Engineer	Kerala State Electricity Board(KSEB),Trivandrum	MCN 201Sustainable Engineering	26.00
4	Mrs. Esther P Chemapakaseril	Retd. Executive Engineer	Kerala State Electricity Board(KSEB),Trivandrum	ECT 468 Renewable Energy Systems	32.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	12	2	0
2	No. of peer reviewed conference papers published	0	2	3
3	No. of books/book chapters published	2	1	0

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Anju S	Dr Tony Alwin	Dept of Electronics & Communication Engineering	Eco flow solutions	Unnat Bharath Abhayan	6 months	0.50
						Amount received (Rs.):0.50

(CAYm2)

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Tony Alwin	Mr Asish Prasad	Dept of Electronics & Communication Engineering	Small Shed light straw clay wall construction	UNNAT BHARAT ABHIYAN 2.0 Program	6 months	0.50
						Amount received (Rs.):0.50

Total Amount (Lacs) Received for the Past 3 Years: 1.00**Note*:**

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Anju S	Mrs Sagara MR	Department of Electronics & Communication Engineering	Udyamolsav 2025	'MoE's Innovation Cell (MIC)	1 day	3.00
Dr Anju S	Dr Geenu Paul	Department of Electronics & Communication Engineering	Yogotsav 25	Ministry of Ayush	1 day	2.00
Dr Anju S	Dr Geenu Paul	Department of Electronics & Communication Engineering	Workshop on Baics of IPR and Patent filing	Kerala State Council for Science and Technology, Govt of Kerala	1 day	0.10
Dr Anu Babu	Dr Anju S	Department of Electronics & Communication Engineering	Five-day Hands-On Workshop on "Applications of Artificial Intelligence and Machine Learning"	ISTE Kerala Chapter	5 day	0.20
						Amount received (Rs.):5.30

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Anju S	Mrs Anu Babu	Department of Electronics & Communication Engineering	Three day Hands-On "Workshop on Machine learning and Deep Learning using python"	Kerala State Council for Science and Technology, Govt of Kerala	3 day	0.15
						Amount received (Rs.):0.15

(CAYm3)

Total amount (Lacs) received for the past 3 years: 5.45**Note*:**

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr Anju S	Feasibility Study for GPS tracker for school buses	1 year	0.75	0.72	1 prototype
			Amount received (Rs.): 0.75		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mrs Anu Babu	Smart Card Implementation in MTCES group of institutions	3 months	0.75	0.75	1 prototype
			Amount received (Rs.): 0.75		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr Geenu Paul	Setting up of Human Alarm System in MTCES hostel	3 months	0.60	0.60	1 prototype
			Amount received (Rs.): 0.60		

Total amount (Lacs) received for the past 3 years : 2.10

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	ELECTRONICS CIRCUITS LAB(B 405)	4	●Cathode Ray Oscilloscope-10 ● Function Generator-10 ● Power Supply(0-30V,2A)-11 ●Power Supply (0-45V,0.5A) ● Digital Multimeter-20 ● Arduino	17 hours/week	Vrinda B S	Instructor	Diploma in EC
2	Digital Electronics Lab(B 406)	3	●Digital IC Trainer Kit-20 ● Cathode Ray Oscilloscope-10 ● Function Generator-12 ●DC DUAL POWER SUPPLY(0-30V,1A) ● DIGITAL MULTIMETER 4	18 hours/week	Vrinda B S & Jemima	Instructor	Diploma in ECE & Diplom
3	DSP/Microcontroller Lab(B 412A)	3	●DESKTOP WITH TFT MONITOR-10 ● CRO-3 ● UMAXKEY BOARD7302-5 ●UPS3KVA-1 ●MATLABR-2012A 10 USES ● TM2000C2710 BASED DSP	12 hours/week	Arya Mohan S	Instructor	Diploma in ECE
4	Electromagnetics Lab(B 410)	3	●FIBRE OPTIC KIT-3 ● BSK MECHANICAL SPLICING KIT-1 ● EXPERIMENTAL DTDR-1 ●Digital Multimeter-6 ●CRO 4 ●CRO404 HAND HELD 4 ●Function Generator	3 hours/week	Arya Mohan S	Instructor	Diploma in ECE

5	Communication Lab(B 413)	3	●CRO-8 ●ANALOG MULTIMETER-5 ●DIGITAL MULTIMETER-11 ●DC POWER SUPPLY(0-30V)-13 DIGITAL STORAGE OSCILLOSCOPE 2 ●FUNCTION	12 hours/week	Arya Mohan S	Instructor	Diploma in ECEence
6	Computer Lab(B 412B)	1	●Computer Systems (20 numbers)	12 hours/week	Jemima	Instructor	Diploma in Computer Scie
7	Analog Integrated Circuits Lab(B 413)	3	●Cathode Ray Oscilloscope-10 ● Function Generator-10 ●Power Supply(0-30V,2A)-20 ●Power Supply (0-15V,1A)-10 ●Digital Multimeter 5 ●Analog Multimeter 5	12 hours/week	Vrinda B S	Instructor	Diploma in ECE

D2. Safety Measures in Laboratories

Table No. D2.1: List of various safety measures in laboratories.

Sr. No	Laboratory Name	Safety Measures
1	Electronic Circuits Lab(B 405)	•Fire extinguisher and first aid kit are available in the laboratory. •Use of damaged equipment is strictly avoided. •Periodic servicing and maintenance of equipment are carried out. •Proper grounding is provided at each workbench. •Wearing shoes inside the laboratory is mandatory. •Ensure that the power supply is switched OFF before making any connections. •Power source must be disconnected before disassembling any circuit. •The laboratory is maintained as a well-ventilated workspace. •Safety instructions are provided at the beginning of each lab session. •An MCB (40A) is installed for protection against short circuits.
2	Analog Integrated Circuits Lab(B 413)	• Fire extinguisher and first aid kit are available in the laboratory. •Proper grounding is provided at each workbench. •The workspace is well-ventilated to ensure a safe working environment. •Safety briefing is provided to students before conducting experiments. •An MCB (40A) is installed for protection against electrical faults.
3	Digital Electronics Lab(B 406)	•Fire extinguisher and first aid kit are available in the laboratory. •Proper grounding is provided at each workbench. •The workspace is well-ventilated for a safe and comfortable environment. •Safety instructions are given to students before conducting experiments. •An MCB (40A) is installed for electrical protection.
4	Electromagnetics Lab(B 410)	•Fire extinguisher and first aid kit are available in the laboratory. •Proper grounding is provided at each workbench. •The workspace is well-ventilated to ensure a safe working environment. •Safety awareness is provided to students before conducting experiments. •An MCB (40A) is installed for electrical protection against faults.
5	Microcontroller Lab / DSP Lab(B 412A)	•Fire extinguisher and first aid kit are available in the laboratory. •Proper grounding is provided at each workbench. •The workspace is well-ventilated to ensure a safe working environment. •Antivirus software is installed in all systems to protect against malware and cyber threats. •An MCB (40A) is installed for electrical protection against faults.
6	Computer Lab(B 412B)	•Fire extinguisher and first aid kit are available in the laboratory. •The workspace is well-ventilated to ensure a safe and comfortable working environment. •Antivirus software is installed in all systems to protect against malware and cyber threats. •An MCB (40A) is installed to provide protection against electrical faults and short circuits.
7	Communication Lab(B 413)	•Fire extinguisher and first aid kit are available in the laboratory. •Proper grounding is provided at each workbench. •The workspace is well-ventilated to ensure a safe working environment. •Safety briefing is provided to students before conducting experiments. •An MCB (40A) is installed for protection against electrical faults.

D3. Project Laboratory/Research Laboratory

PART E: First Year faculty and financial Resources
(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	270	14	10	16	80
2024-25(CAYm1)	330	16	11	21	81
2025-26(CAY)	360	18	12	31	88

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	5250000	1689381	3650000	541299	3100000	604440	1500000	389852
Library	500000	537757	500000	263018	100000	76011	100000	71850
Laboratory equipment	800000	728345	500000	777835	750000	337972	750000	706446
Teaching and non-teaching staff salary	31650000	32133286	28150000	29468973	26700000	27580762	25185000	24823979
Outreach Programs	200000	130476	200000	569590	300000	44100	300000	29400
R&D	1225000	800000	1025000	200000	525000	1424855	225000	911578
Training, Placement and Industry linkage	700000	530000	1000000	519535	500000	1382509	200000	884623
SDGs	500000	683751	3960000	500000	4435000	222000	4710000	334500
Entrepreneurship	100000	750000	100000	80855	100000	126340	10000	1390
Others, specify	6235000	134500	1875000	11328045	1815000	7869900	1600000	7396405
Total	47160000	38117496	40960000	44249150	38325000	39668889	34580000	35550023

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	250000	231250	30000	2600	60000	61950	25000	65600
Software	60000	54280	0	0	40000	37760	5000	7331
SDGs	52500	69259	25000	28378	45000	46254	30000	11468
Support for faculty development	2500	2500	2500	2500	0	0	0	0
R & D	10000	10000	10000	10000	40000	40000	10000	10000
Industrial Training, Industry expert, Internship	10000	10000	10000	10000	10000	10000	10000	10000
Miscellaneous Expenses*	5000	5000	5000	5000	5000	5000	1000	1000
Total	390000	382289	82500	58478	200000	200964	81000	105399